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DATE MAILED: 10/11/2006

APPLICATION N	o. '	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,895	•	11/21/2003	Monique Helene Verheije	2183-6217US 1429	
28501	7590	10/11/2006		EXAM	INER
MICHAI	EL P. MOI	RRIS	HILL, MYRON G		
BOEHRIN	NGER ING	ELHEIM CORPO	DRATION		
900 RIDG	EBURY R	OAD	ART UNIT	PAPER NUMBER	
P. O. BOX	ረ 368		1648		
RIDGEFI	ELD, CT	06877-0368			

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    10/719,895	•	Application No.	Applicant(s)				
Noron G. Hill		10/719,895	VERHEIJE, MONIQUE HELENE				
- The MALING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MALING DATE OF THIS COMMUNICATION.  Estamant of the may be a amiliation under the provisions of 3°CFR 1.138(a). In or event, however, any routy be timely liked.  If NO period for regly is pecified above, the maintain stabulory period will apply and will early in SN (8) MONTHS from the mailing date of this communication.  Failure to regly this the set or cardiode period for regly is pecified above, the maintain stabulory period will apply and will early in SN (8) MONTHS from the mailing date of this communication.  Failure to regly within the set or cardiode period for regly is petiative, cause application to some ARMORDED (SU S.C § 133).  Any regly received by the Otice later show there mention date the mailing date of this communication, even if denty liked, may reduce any standard period for regly in the set of communication of the set of this communication.  **Status**  1) □ Responsive to communication(s) filed on 21 November 2003.  2a) □ This action is FINAL.  2b) □ This action is FINAL.  2b) □ This action is final.  2b) □ Claim(s) 1-13 and 16-19 is/are pending in the application.  4a) □ Claim(s) 1-13 and 16-19 is/are pending in the application.  4a) □ Claim(s) 1-13 and 16-19 is/are withdrawn from consideration.  5i □ Claim(s) 1-13 and 16-19 are subject to restriction and/or election requirement.  Application Papers  9i □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on 1 is/are: a) □ accepted or b) □ objected to by the Examiner.  Application Papers  9i □ The drawing(s) filed on 1 is/are: a) □ accepted or b) □ objected to by the Examiner.  Application Papers  9i □ The drawing(s) filed on 1 is/are: a) □ accepted or b) □ objected to by the Examiner.  10) □ The drawing(s) filed on 1 is/are: a) □ accepted or b) □ objected to by the Examiner.  10	Office Action Summary	Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - and SIX (9) MORTH'S from the making date of this communication if No genetic reply is specified soons, the maximum dature period will apply and will apply 80 MORTH'S from the making date of this communication if No genetic reply is specified soons, the maximum dature yeard out along 35 MORTH'S from the making date of this communication if No genetic reply is specified soons, the maximum dature yeard out along 35 MORTH'S from the making date of this communication if No genetic reply is specified soons, the maximum dature yeard out along 35 MORTH'S from the making date of this communication, even if series field, they neduce this communication, and the application, even if series field, they neduce this communication, even if series field, they neduce they series and patient of the communication, even if series field, they neduce they series and series of the series of the communication, even if series field, they neduce they series and series of the series of the communication, even if series field on the patients of the series of the s		Myron G. Hill	1648				
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Editionize of time may be available under be provided under the provided under the provided under the provided of the communication of 37 cFt 1:18(i). In ne work, however, may any by be timely filed after SIX (§) MONTHS from the mailing date of this communication. Failure is required the six (§) MONTHS from the mailing date of this communication. Failure is required the six (§) MONTHS from the mailing date of this communication. Provided by the Six of the Communication of the Six of the Six of the Six of the Six of S							
This action is FINAL.   2b  This action is non-final.   3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any						
2a) ☐ This action is FINAL.  2b) ☐ This action is non-final.  3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) ☐ Claim(s)	Status						
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## **DETAILED ACTION**

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-12, drawn to an arterivirus have some of its original orf7 deleted, classified in class 435, subclass 235.1.
- II. Claim 13, drawn to a method to obtain a vaccine, classified in class 435, subclass 320.1.
- III. Claims 16-17, drawn to a vaccine comprising an arterivirus with a functional kissing loop, classified in class 424, subclass 204.1.
- IV. Claims 18-19, drawn to a method to vaccinate, classified in class 424, subclass 204.1.

The inventions are distinct, each from the other because of the following reasons:

Inventions I-IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06). In the instant case, the different inventions are drawn to different products (I and III, one is a replicon one is not, one is a vaccine the other is not, one is used to make a vaccine the other is used as a vaccine). The methods are different because one is drawn to making a vaccine and the other is drawn to using a product as a vaccine.

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Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art in view of their different classification and because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

The examiner has required restriction between product and process claims.

Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise

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require all the limitations of the allowable product claim will be considered for rejoinder.

All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Myron G. Hill whose telephone number is 571-272-0901. The examiner can normally be reached on 8:30 am-5 pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce Campell can be reached on 571-272-0974. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

เท**ูงเ**อก<sup>ุ</sup>ษยแ Patent Examine

9/26/06

BRUCE R. CAMPELL, PH.D SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1600

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